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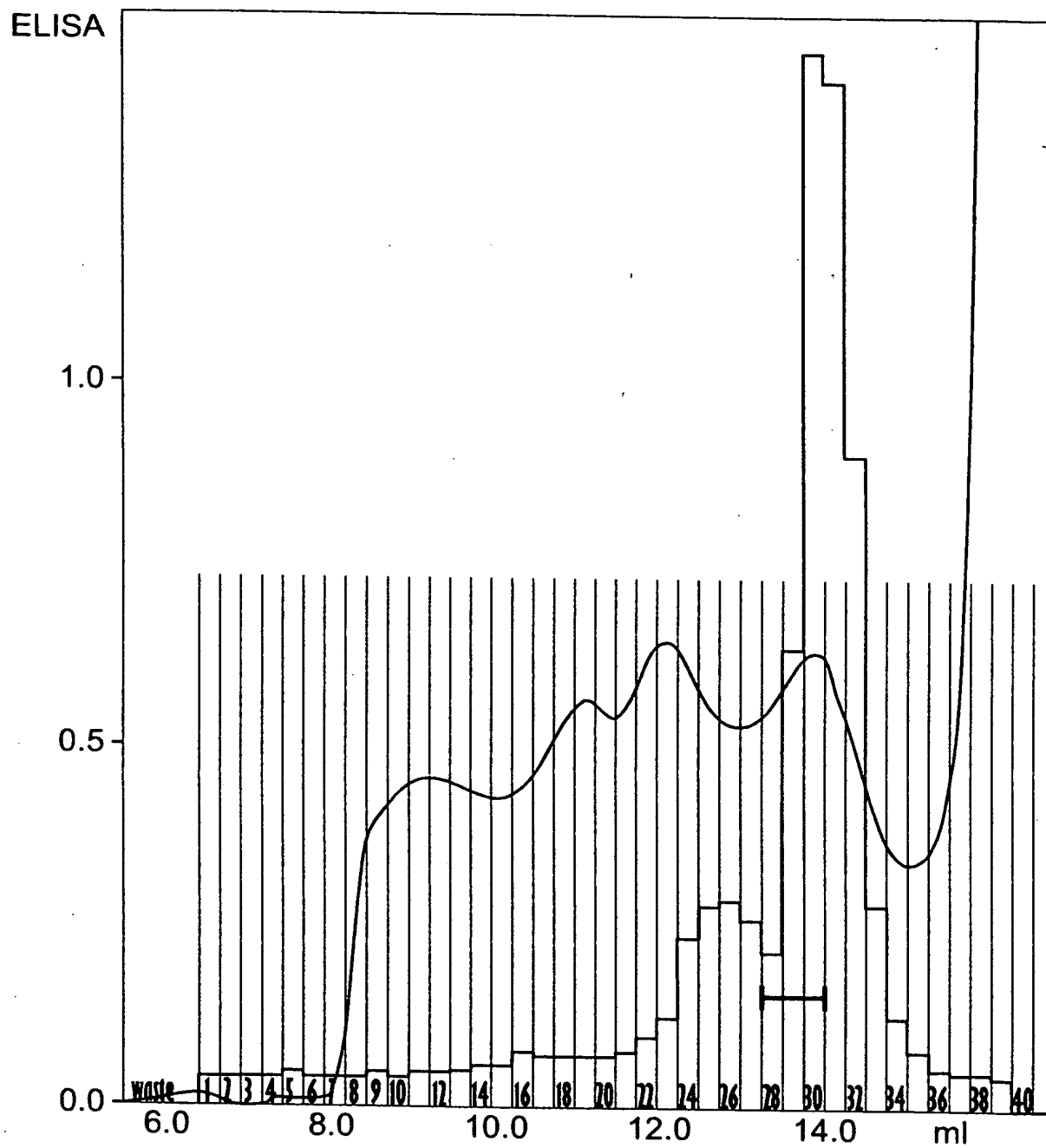


Figure 1A

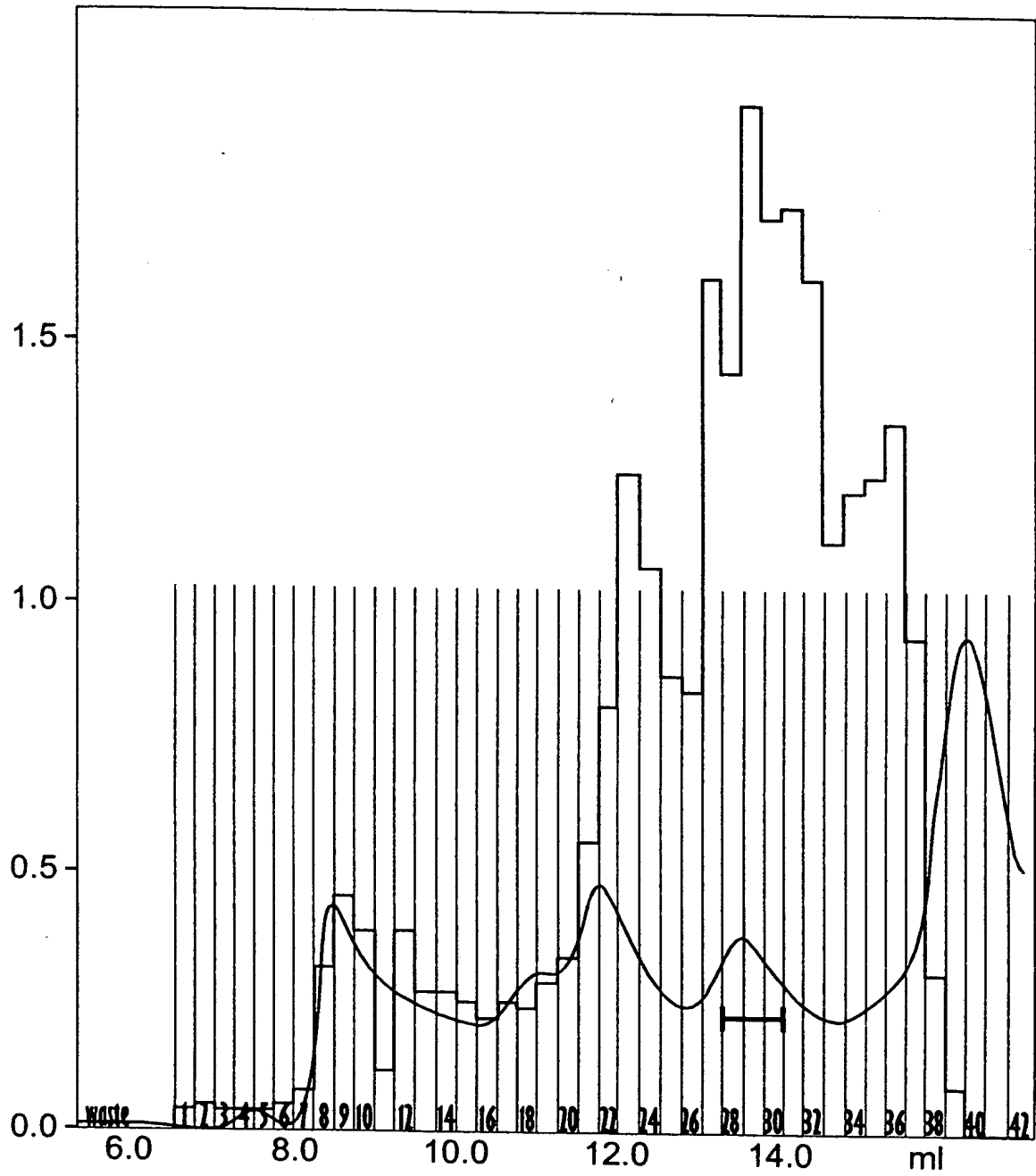


Figure 1B

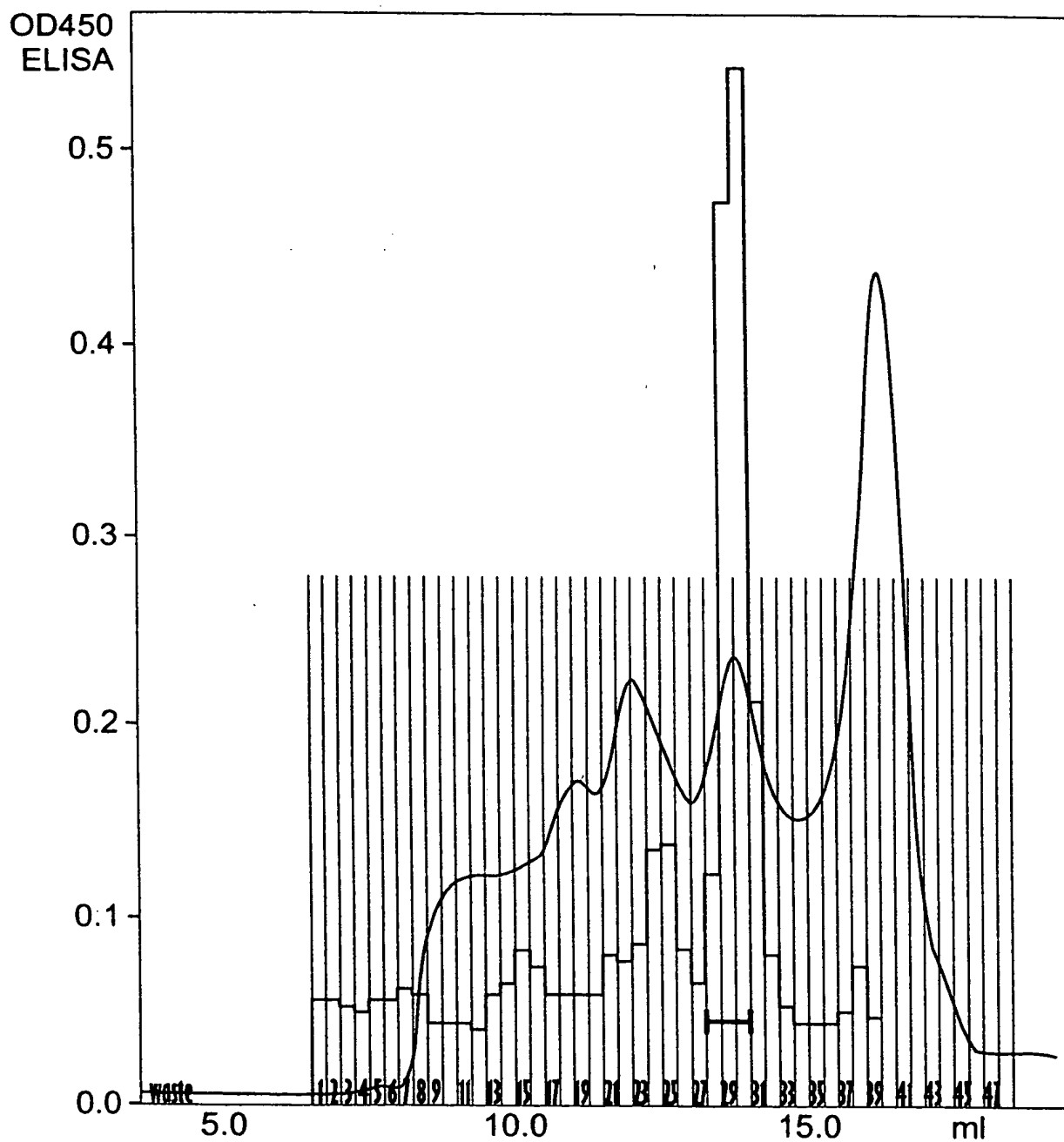


Figure 1C

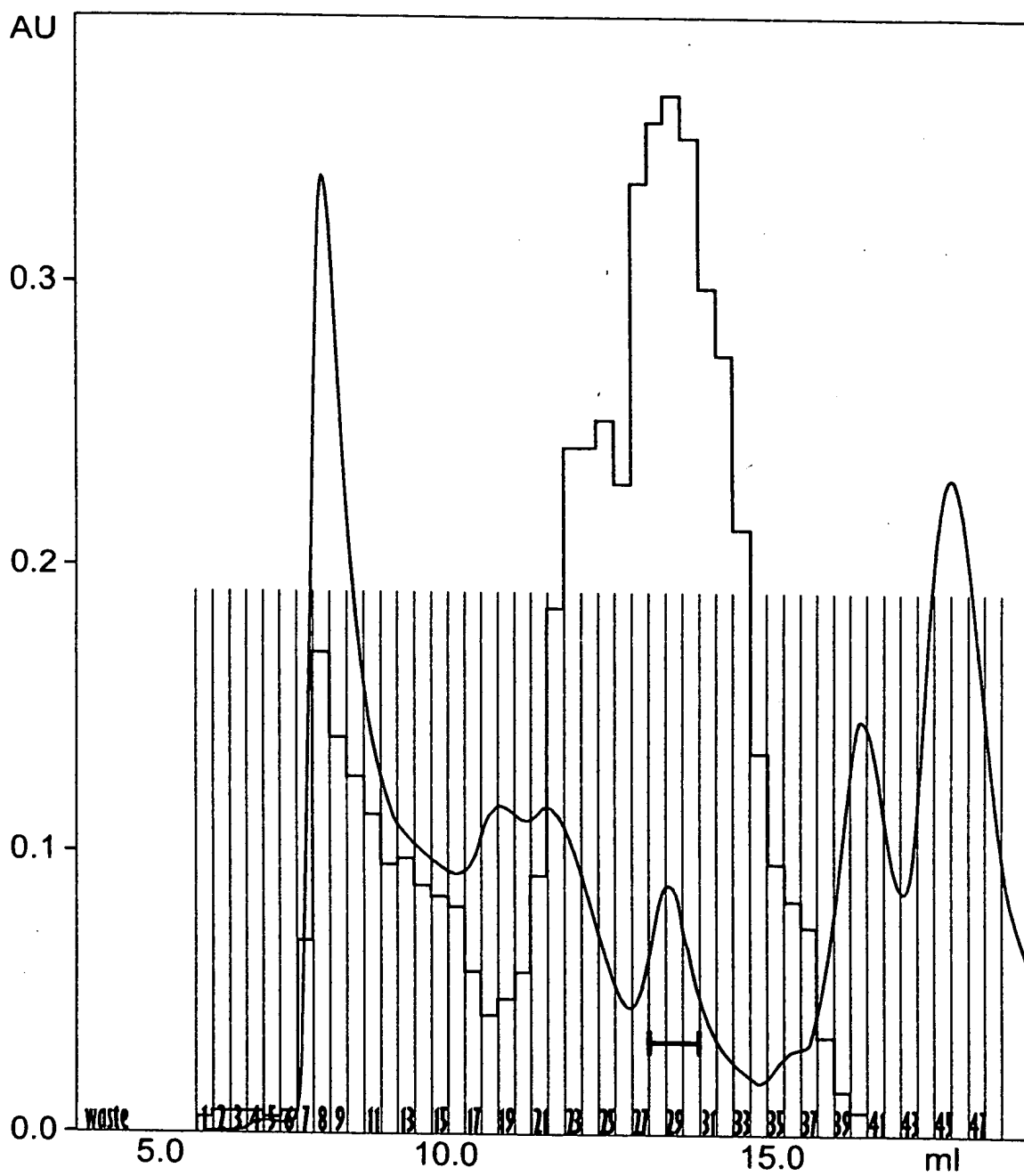


Figure 1D

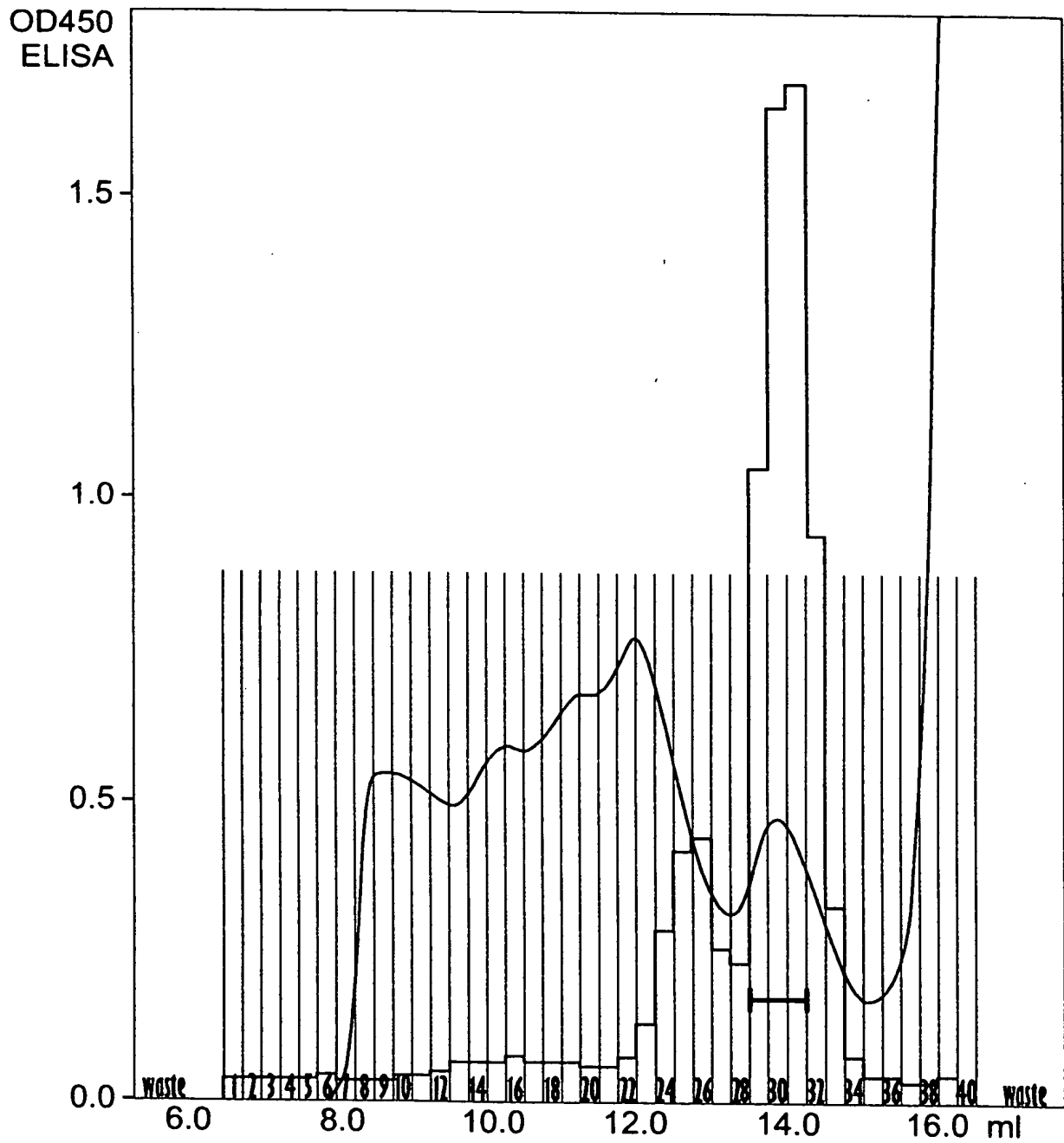


Figure 2A

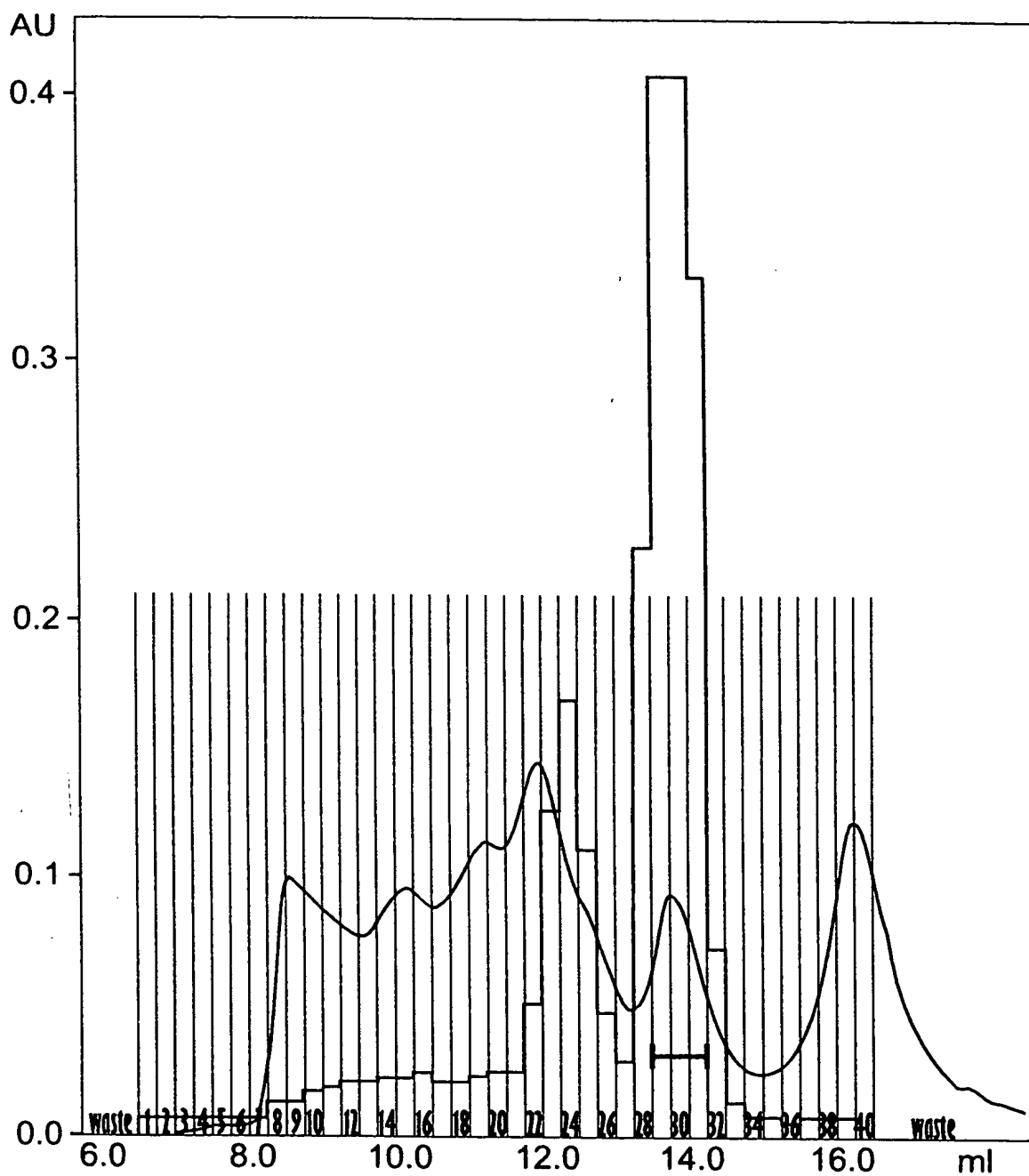


Figure 2B

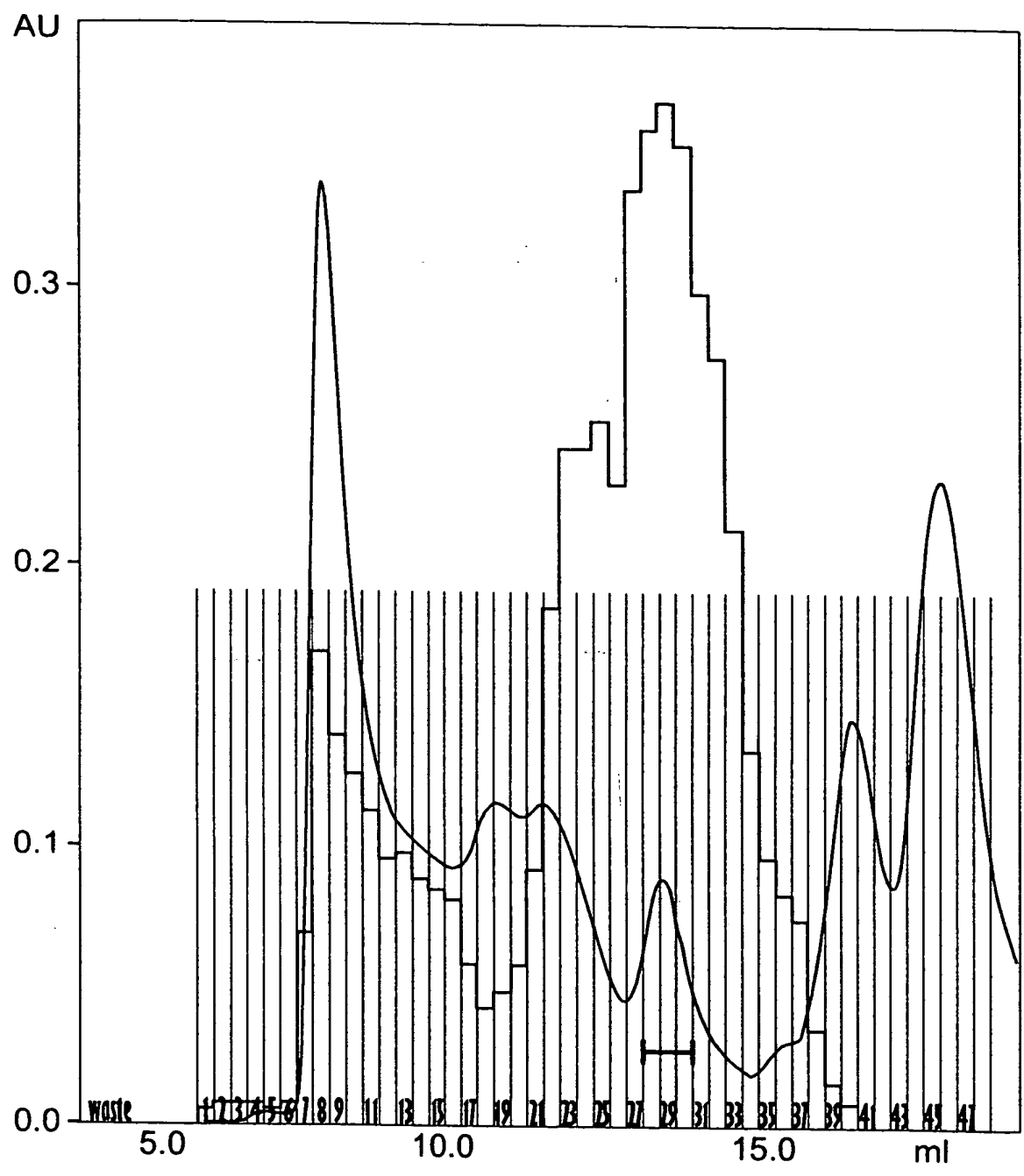


Figure 2C

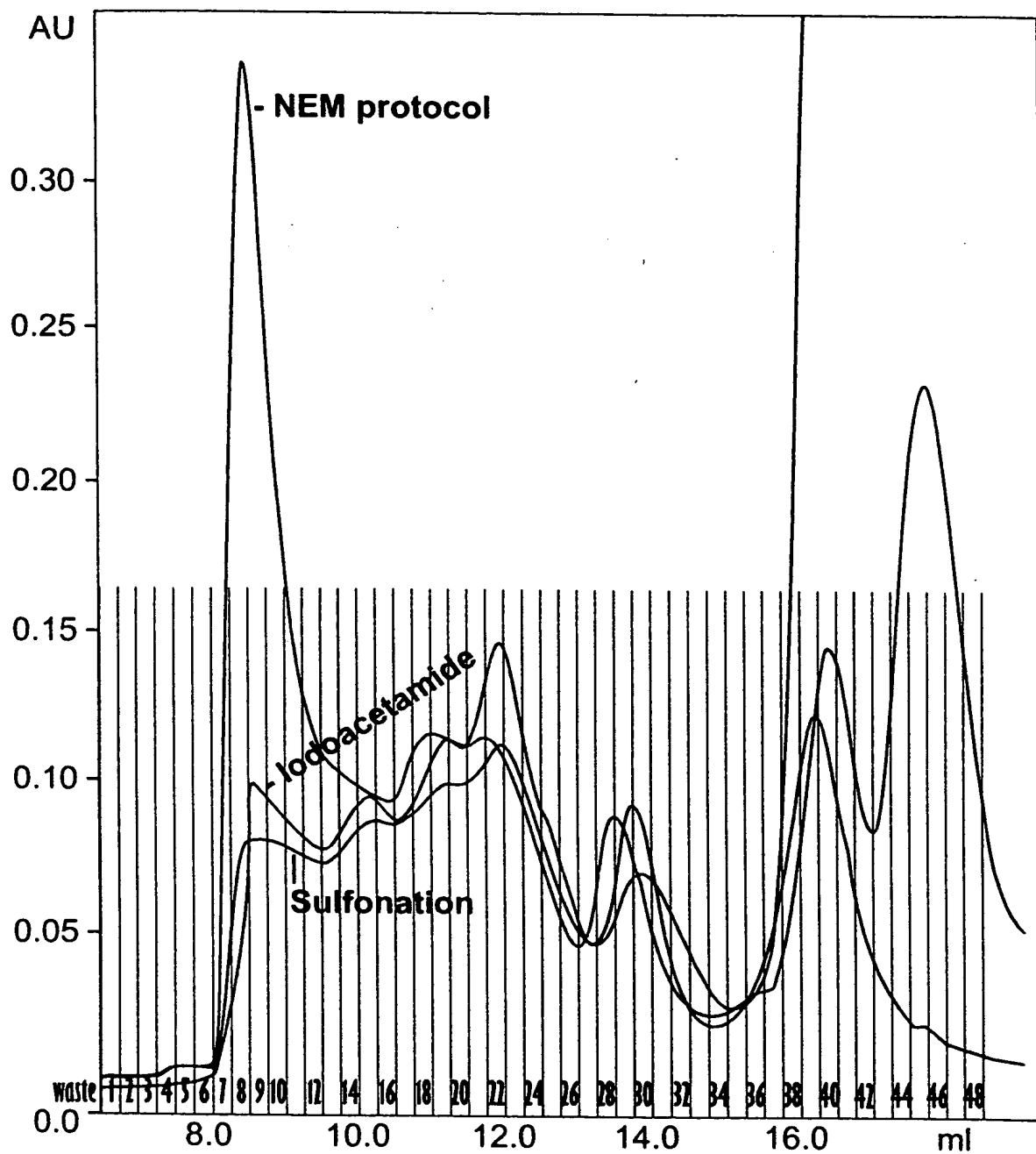


Figure 2D

SILVER STAINING: SCREENING FRACTIONS SEC 3% EMPIGEN

Lane 1 and 10: Markers
Lane 2 till 5: Lysis Ascorbate, DTT reduction without blocking
Lane 6 till 9: Lysis Ascorbate, DTT reduction with sulfonation

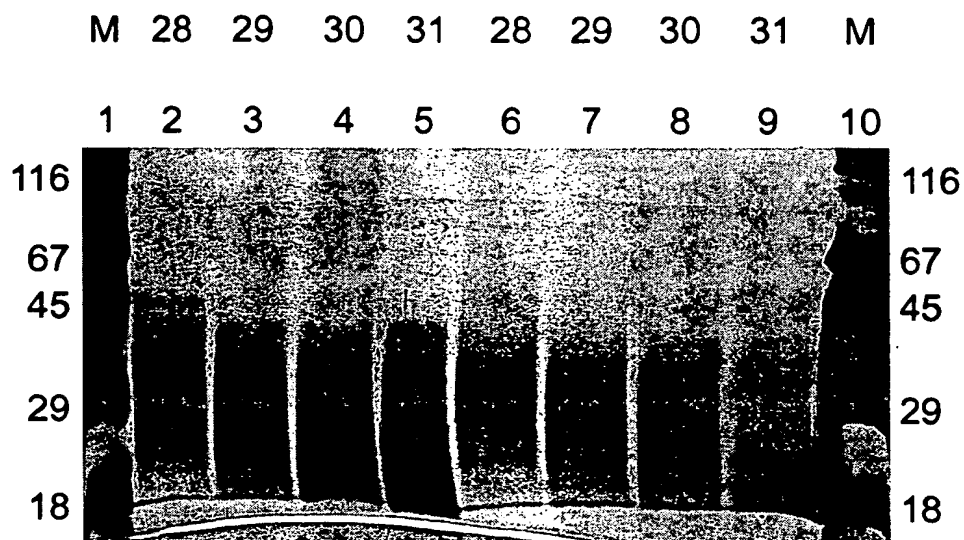


Figure 3a-1

MAB ANTI-E1 BLOT SCREENING FRACTIONS SEC 3% EMPIGEN

Lane 1: Markers

Lane 2 till 5: Fractions SEC Lysis ascorbate, DTT reduction, ascorba

Detected with 11B7D8 M 28 29 30 31

 1 2 3 4 5

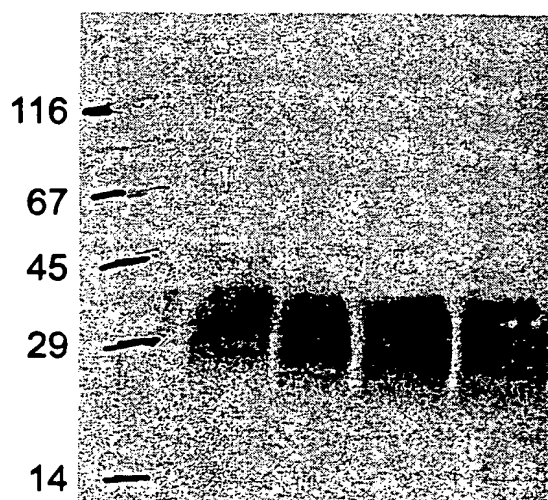


Figure 3a-2

Figure 3b

Purification of mTNF (His)₆ NS3 B9

Cell lysis in 6M Gu.HCl

Sulfonation

IMAC on Ni-IDA

Pure NS3-SO₃⁻

Treatment with 200 mM DTT

Desalt at pH 4

Dilute till 500 µg/mL

Store at - 70° (+/- AO)

ELISA: Dilute --> 0.5 µg/mL

(+/- AO)

Figure 4

ANTIOXIDANT GROUP I						
ANTIOXIDANT		SAMPLE DIL. DTT (10 mM)	SERUM N°			
- 70°	Dilution		17790	17832	17826	17838
-	+	-	38	79	1067	1138
-	+	+	1675	2134	2187	2190
+	+	-	43	59	1051	1059
+	+	+	1938	2175	1986	2155

ANTIOXIDANT GROUP II						
ANTIOXIDANT		SAMPLE DIL. DTT (10 mM)	SERUM N°			
- 70°	Dilution		17790	17832	17826	17838
-	+	-	150	277	1739	2152
-	+	+	2064	2444	2474	2456
+	+	-	116	229	1564	1854
+	+	+	2095	2420	2509	2321

CONTROL	SERUM N°			
	17790	17832	17826	17838
NS3 B9 + 200 Mm DTT	938	1793	1802	1996
NS3 B9 + 10 Mm DTT	74	104	1874	2075

Figure 5a

Thiol Compounds and NS3B9 reactivity

Antioxidant		Reactivity of Serum N ^o (*)			
Cone (-70°,	(mM) Dilution)	17780	17790	17832	17801
-70° Dilution	AO I + 1 mM GSH	353	1160	2026	1988
-70° Dilution	AO I + 5 mM GSH	287	1087	1816	1850
-70° Dilution	AO I + 1 mM GSH AO I + 1 mM GSH	525	1384	2137	2194
-70° Dilution	AO I + 1 mM Cys	287	935	1679	1712
-70° Dilution	AO I + 5 mM Cys	299	1160	1757	1764
-70° Dilution	AO II AO II	603	1763	2396	2183
-70° Dilution	4 mM DTC	453	1389	2060	1963
-70° Dilution	4 mM Mono-SH	130	649	1396	1541

(*): Sample diluent in 3 mM DTT

AO I: 1 mM EDTA, 1 mM ascorbate

AO II: 2mM Mono-SH + 2 mM DTC

2 mM Mono-SH = 1mM TPCB + 1 mM TEG

2 mM DTC = 1mM DETC+ 1mM PDTC

GSH, Cys are reduced glutathion and cystein respectively

Figure 5b

NS3B9 B960925II

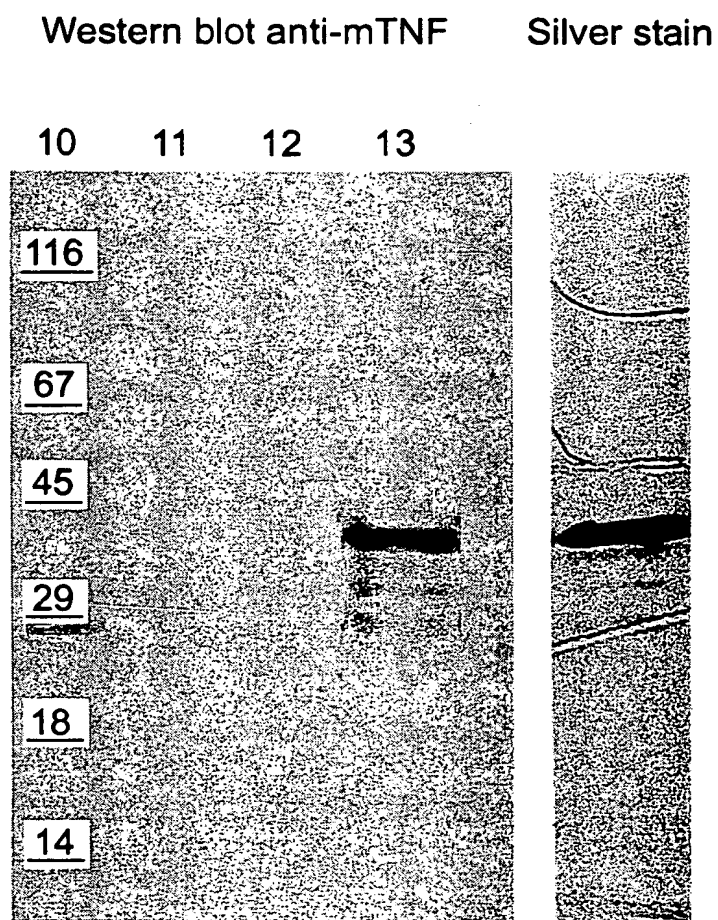


Figure 6a

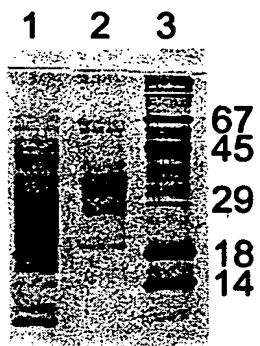
HIS-tagged E1 purified from *Saccharomyces cerevisiae*

Lane 1: E1 from *S. cerevisiae*

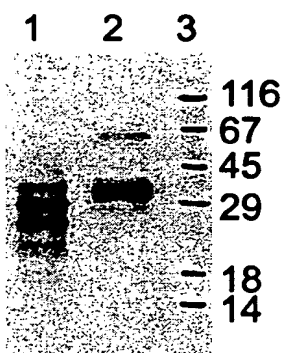
Lane 2: E1 from mammalian cells (vaccinia expression system)

Lane 3: marker proteins (M_r indicated in kDa)

A) Silver staining



B) anti-E1-blotting



C) GNA-blotting

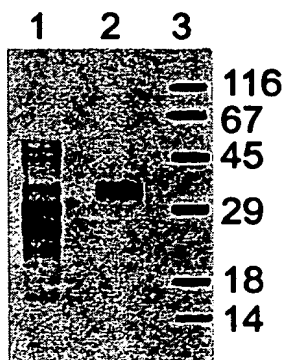


Figure 6b